

ABSTRACT OF THE DISCLOSURE

A plant for tomato juice concentration uses a falling-film evaporator with an external sleeve which surrounds a vertical bundle of tubes divided into a plurality of sectors in which the tomato juice circulates in succession, and which is combined with a heat exchanger which is arranged externally of the evaporator and which is divided into a plurality of sectors in each of which the tomato juice is circulated and heated as it exits from a sector of tubes of the evaporator before being introduced into a successive sector. The plant also includes a compressor that aspirates steam from a bottom zone, being a separation chamber of the evaporator, compresses it and reintroduces it into the central part of the evaporator.